## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1-24. (Cancelled)

25. (New) An insect communication-disturbing formulation comprising:

an insect-derived sex pheromone component for communication disturbance, or a
synthesized pheromone component having the same molecular structure as the insect-derived sex
pheromone component; and

a substrate containing the pheromone component, wherein the substrate is in the form of a molded body and is formed from a mixture of water, binder, and a calcined crystalline mineral powder prepared by steps consisting essentially of firing a crystalline mineral at 500 to 700°C for a time period from 5 to 120 minutes, wherein the powder has a particle size of 2 to 20  $\mu$ m, and wherein the crystalline mineral is selected from the group consisting of clay minerals of a multiple-chain structure type having a fibrous form, 2:1 clay minerals having a tabular form, and silicas.

- 26. (New) The insect communication-disturbing formulation according to claim 25, wherein said crystalline mineral is a crystalline clay mineral.
- 27. (New) The insect communication-disturbing formulation according to claim 25, wherein the crystalline mineral is one selected from the group consisting of sepiolite, palygorskite and montmorillonite.
- 28. (New) The insect communication-disturbing formulation according to claim 25, wherein the time period is from 30 to 60 minutes.

- 29. (New) The insect communication-disturbing formulation according to claim 27, wherein the time period is from 30 to 60 minutes.
- 30. (New) The insect communication-disturbing formulation according to claim 25, wherein the pheromone component is one selected from the group consisting of (Z)-8-dodecenyl acetate, (Z)-11-hexadecenyl acetate, (Z)-11-hexadecenyl acetate, and mixtures thereof.
- 31. (New) The insect communication-disturbing formulation according to claim 27, wherein the pheromone component is one selected from the group consisting of (Z)-8-dodecenyl acetate, (Z)-11-hexadecenyl acetate, (Z)-11-hexadecenyl acetate, and mixtures thereof.
- 32. (New) The insect communication-disturbing formulation according to claim 29, wherein the pheromone component is one selected from the group consisting of (Z)-8-dodecenyl acetate, (Z)-11-hexadecenyl acetate, (Z)-11-hexadecenyl acetate, and mixtures thereof.
- 33. (New) The insect communication-disturbing formulation according to claim 25, wherein the molded body has a size from 4 mm to 150 mm.
- 34. (New) The insect communication-disturbing formulation according to claim 27, wherein the molded body has a size from 4 mm to 150 mm.
- 35. (New) The insect communication-disturbing formulation according to claim 30, wherein the molded body has a size from 4 mm to 150 mm.

- 36. (New) The insect communication-disturbing formulation according to claim 31, wherein the molded body has a size from 4 mm to 150 mm.
- 37. (New) The insect communication-disturbing formulation according to claim 25, wherein the molded body is in the shape of a cylinder with a diameter of about 10 mm and a length from 7 mm to 150 mm.
- 38. (New) The insect communication-disturbing formulation according to claim 27, wherein the molded body is in the shape of a cylinder with a diameter of about 10 mm and a length from 7 mm to 150 mm.
- 39. (New) The insect communication-disturbing formulation according to claim 30, wherein the molded body is in the shape of a cylinder with a diameter of about 10 mm and a length from 7 mm to 150 mm.
- 40. (New) The insect communication-disturbing formulation according to claim 25, wherein the molded body is in the shape of a sphere with a diameter from 4 mm to 10 mm.
- 41. (New) The insect communication-disturbing formulation according to claim 27, wherein the molded body is in the shape of a sphere with a diameter from 4 mm to 10 mm.
- 42. (New) The insect communication-disturbing formulation according to claim 30, wherein the molded body is in the shape of a sphere with a diameter from 4 mm to 10 mm.
- 43. (New) The insect communication-disturbing formulation according to claim 1, wherein the binder is a water soluble macromolecular substance.

- 44. (New) The insect communication-disturbing formulation according to claim 43, wherein the binder is selected from the group consisting of polyvinyl alcohol, polyvinyl pyrrolidone, polyacrylic acid, polyacrylamide, polyethylene oxide, polyethylene imide, and carboxymethyl cellulose.
- 45 . (New) A method for preparing a insect communication-disturbing formulation comprising:

firing a crystalline mineral, in a form of a powder with a particle size of 2 to 20  $\mu$ m, selected from the group consisting of clay minerals of a multiple-chain structure type having a fibrous form, 2:1 clay minerals having a tabular form, and silicas at 500 to 700°C for a time period from 5 to 120 minutes to prepare a calcined crystalline mineral;

forming the calcined crystalline mineral in the form of the powder into a molded body with a size from 4 mm to 150 mm; and

impregnating the molded body with an insect-derived sex pheromone component for communication disturbance or a synthesized pheromone component having the same molecular structure as the insect-derived sex pheromone component selected from the group consisting of (Z)-8-dodecenyl acetate, (Z)-11-hexadecenyl acetate, (Z)-11-hexadecenal, N-dodecyl acetate, and mixtures thereof, to prepare the insect communication-disturbing formulation.